

ZAK DATA SOLUTIONS

Data Engineering · Data Governance · Applied AI / MLOps

Service-Disabled Veteran-Owned
Small Business (SDVOSB)

Sole proprietorship · Zachary Kysar,
Principal

Zachary Kysar, Principal — M.S. in Computer Science (Data Analytics), Boston University; MBA (Babson College); U.S. Army veteran (service-disabled); 10+ years production data engineering & ML operations.

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UEI HADPGKG7GN26 CAGE 78DL6 SAM.gov active since 2014 SBA VetCert SDVOSB — active
Set-aside SDVOSB set-aside & sole-source eligible (VA Veterans First, 38 USC 8127)

CORE COMPETENCIES

Data engineering. Lakehouse / warehouse architecture, pipeline orchestration (Airflow / Dagster / dbt), ETL & ELT modernization, metadata management, infrastructure-as-code (Terraform).

Data quality & observability. Profiling and rule frameworks (Great Expectations, dbt tests, custom Python/SQL), root-cause analysis, automated quality monitoring and dashboards.

Data governance. Data-contract enforcement, schema & lineage governance, audit-ready trails, federated data-steward operating models — governance by design.

Applied AI / MLOps. Feature pipelines, model serving, evaluation harnesses, drift detection, end-to-end lineage from data acquisition to deployment.

Cloud data platforms. AWS (S3, Glue, Athena, Redshift, Lake Formation), Snowflake, Databricks; SQL Server & PostgreSQL; cloud-cost attribution and workload tuning.

DIFFERENTIATORS

- ▶ One accountable signature. The principal owns the engagement end to end — the person who designs is the person who delivers. No prime/sub fog, no resource-substitution risk.
- ▶ Governance by design. Lineage, change-management trails, and audit-ready practices are the default methodology, not retrofitted at review.
- ▶ Continuous-learning engineering practice. Every engagement's patterns, lessons, and guardrails compound into the next instead of walking out the door with staff turnover.
- ▶ A certified SDVOSB data/AI specialist — a scarce combination: only ~0.68% of federal AI contracts were SDVOSB set-aside in FY2024.

PAST PERFORMANCE

Defense Logistics Agency — purchase order SPE8ED15M1500 (citable federal past performance).

Production continual-learning platform — 6,000+ encoded engineering lessons and 2,400+ operating guardrails across data engineering, governance, and AI/ML operations; production-scale proof of the governance and quality discipline above.

Additional federal references available on engagement.

How to engage: SDVOSB sole-source (government-wide via SBA VetCert, FAR 19.1406 — up to \$5M services; CO self-approves the justification under \$900K, FAR 6.304) · SDVOSB set-aside · micro-purchase (\$10K–\$25K) seed task · teaming / subcontract under a prime.

NAICS: 541512 (primary — Computer Systems Design Services) · 541519 · 541715 · 518210 · 541611 | **PSC:** DA01 · D307 · D399 | **Small-business size standard** \$34.0M (NAICS 541512)